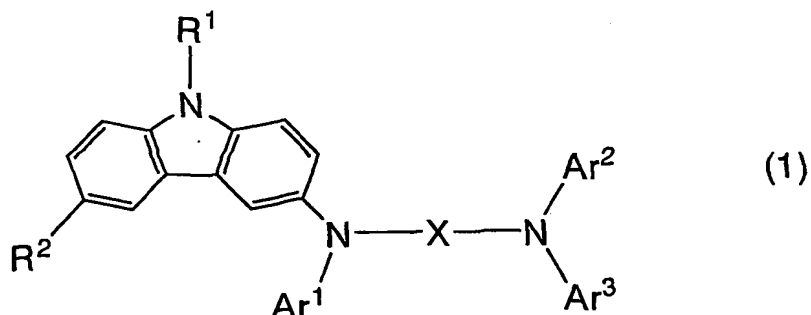


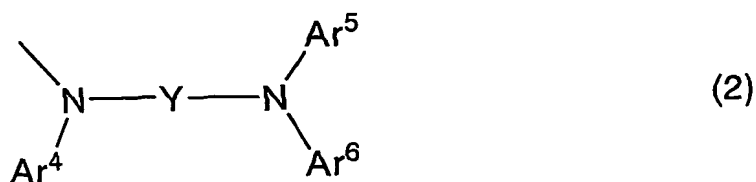
CLAIMS

1. A carbazole derivative represented by a general formula (1),



wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms;

wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (2),



wherein each of Ar^1 to Ar^6 is one selected from the group consisting of an aryl group having 6 to 25 carbon atoms and a heteroaryl group having 5 to 9 carbon atoms; and

wherein each of X and Y is one selected from the group consisting of a bivalent aromatic hydrocarbon group having 6 to 25 carbon atoms and a bivalent heterocyclic group having 5 to 10 carbon atoms.

2. The carbazole derivative according to claim 1,

wherein R^1 is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

5 3. The carbazole derivative according to claim 1,

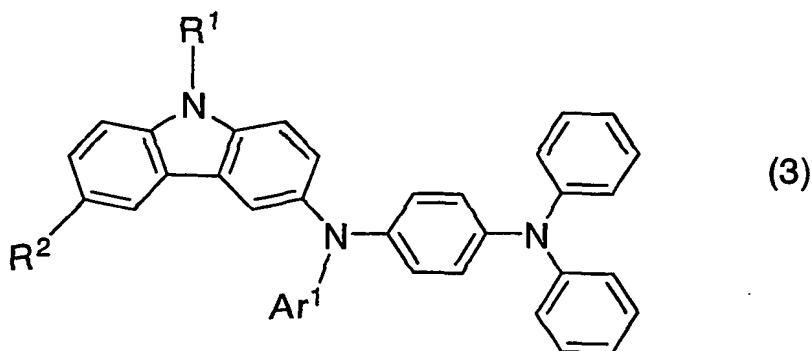
wherein R^2 is hydrogen or a tert-butyl group.

4. The carbazole derivative according to claim 1,

wherein R^2 has a structure of the general formula (2); and

10 wherein Ar^1 and Ar^4 , Ar^2 and Ar^5 , Ar^3 and Ar^6 , and X and Y have identical structures, respectively.

5. A carbazole derivative represented by a general formula (3),

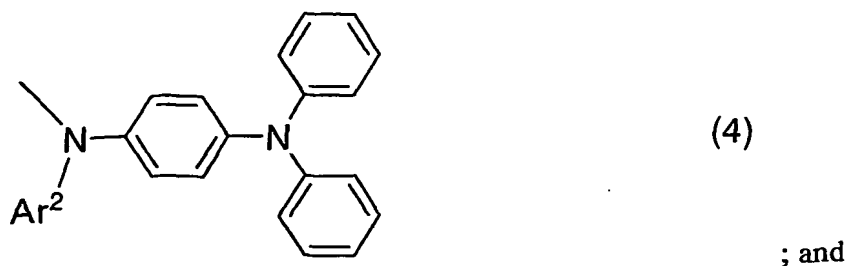


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wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms;

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wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (4),



wherein each of Ar¹ and Ar² is one selected from the group consisting of an aryl group having 6 to 25 carbon atoms and a heteroaryl group having 5 to 9 carbon atoms.

6. The carbazole derivative according to claim 5,

wherein R¹ is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

7. The carbazole derivative according to claim 5,

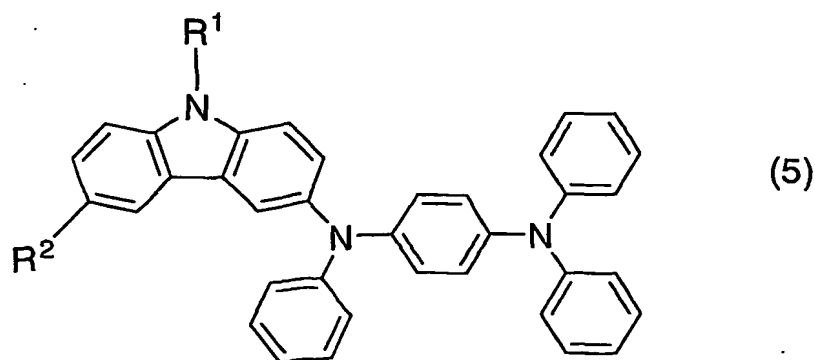
wherein R² is hydrogen or a tert-butyl group.

8. The carbazole derivative according to claim 5,

wherein R² has a structure of the general formula (4); and

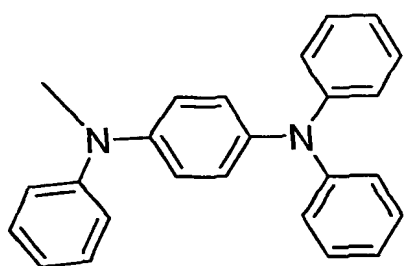
wherein Ar¹ and Ar² have an identical structure.

9. A carbazole derivative represented by a general formula (5),



wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms; and

wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (6),



(6)

10. The carbazole derivative according to claim 9,

wherein R^1 is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

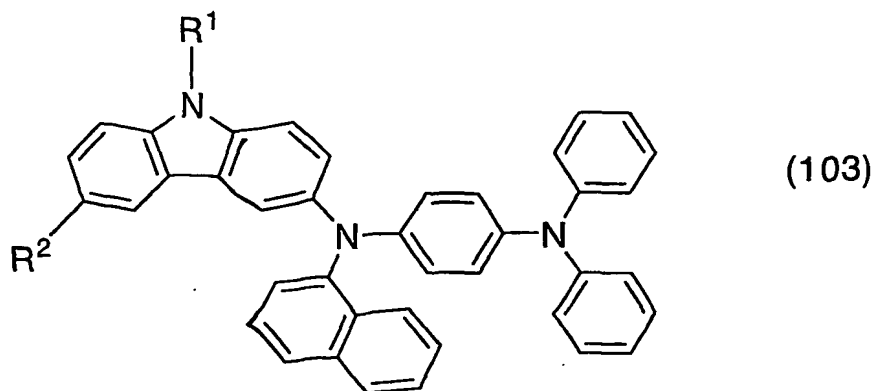
11. The carbazole derivative according to claim 9,

wherein R^2 is hydrogen or a tert-butyl group.

12. The carbazole derivative according to claim 9,

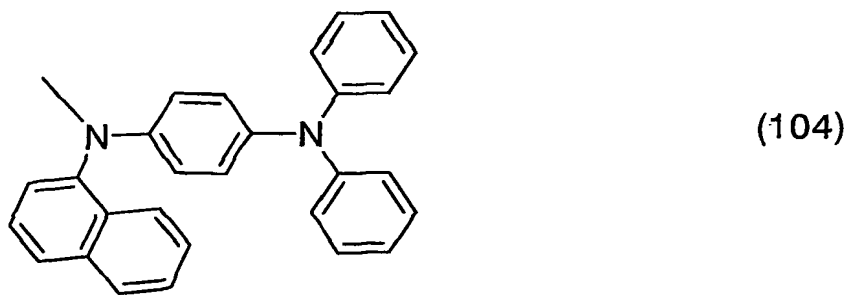
wherein R^2 has a structure of the general formula (6).

13. A carbazole derivative represented by a general formula (103),



wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms; and

wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (104),



14. The carbazole derivative according to claim 13,

wherein R^1 is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

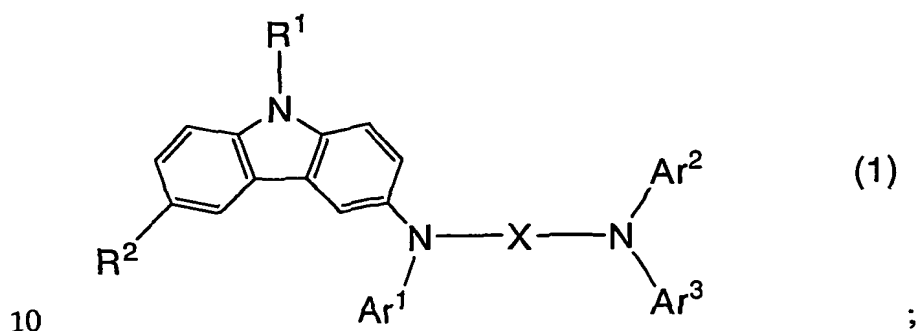
15. The carbazole derivative according to claim 13,

wherein R^2 is hydrogen or a tert-butyl group.

16. The carbazole derivative according to claim 13,
wherein R² has a structure of the general formula (104).

5 17. A light emitting element comprising a layer containing a light emitting material interposed between a pair of electrodes,

wherein the layer containing the light emitting material comprises a carbazole derivative represented by a general formula (1),



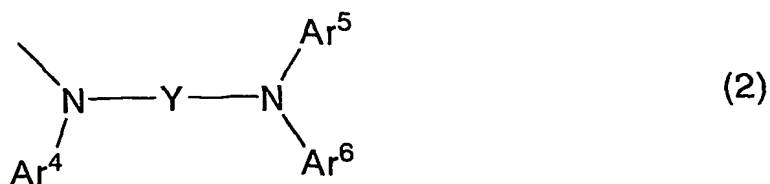
15 wherein R¹ is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms;

wherein R² is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms and a substituent represented by a general formula (2);

20 wherein each of Ar¹ to Ar⁶ are one selected from the group consisting of an aryl group having 6 to 25 carbon atoms and a heteroaryl group having 5 to 9 carbon atoms; and

wherein each of X and Y are one selected from the group consisting of a bivalent aromatic hydrocarbon group having 6 to 25 and a bivalent heterocyclic group having 5 to 10 carbon atoms,

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18. The light emitting element according to claim 17,

wherein R^1 is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

19. The light emitting element according to claim 17,

wherein R^2 is hydrogen or a tert-butyl group.

20. The light emitting element according to claim 17,

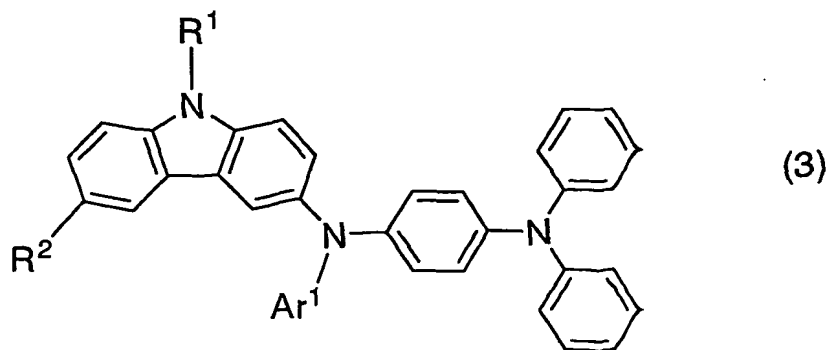
wherein R^2 has an identical structure of the general formula (2); and

wherein Ar^1 and Ar^4 , Ar^2 and Ar^5 , Ar^3 and Ar^6 , and X and Y have identical structures, respectively.

21. A light emitting element comprising a layer containing a light emitting

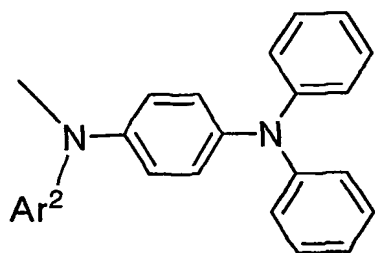
material interposed between a pair of electrodes,

wherein the layer containing the light emitting material comprises a carbazole derivative represented by a general formula (3),



wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 7 carbon atoms;

5 wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (4),



(4)

; and

10

wherein each of Ar^1 and Ar^2 is one selected from the group consisting of an aryl group having 6 to 25 carbon atoms and a heteroaryl group having 5 to 9 carbon atoms.

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22. The light emitting element according to claim 21,

wherein R^1 is one selected from the group consisting of a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

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23. The light emitting element according to claim 21,

wherein R^2 is hydrogen or a tert-butyl group.

24. The light emitting element according to 21,

wherein R^2 has a structure of the general formula (4); and

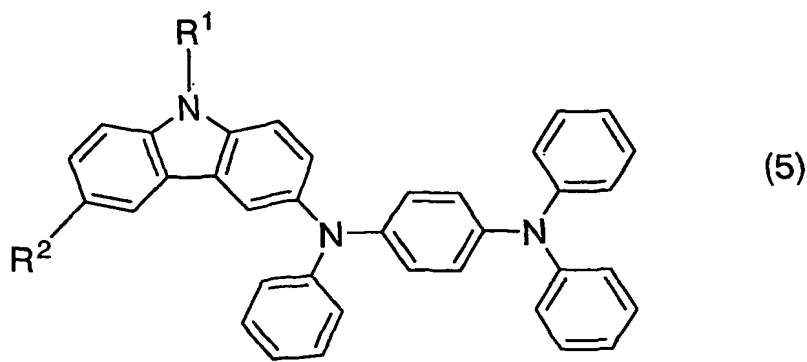
wherein Ar^1 and Ar^2 have an identical structure.

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25. A light emitting element comprising a layer containing a light emitting

material interposed between a pair of electrodes,

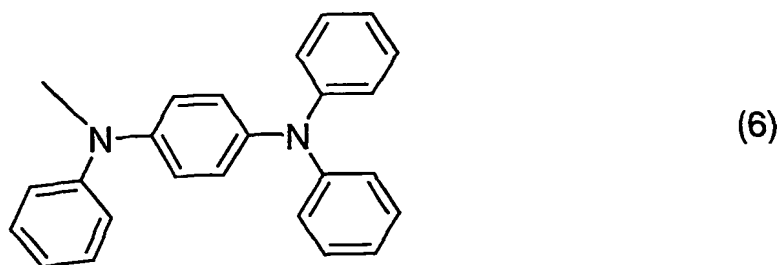
wherein the layer containing the light emitting material comprises a carbazole derivative represented by a general formula (5),



wherein R^1 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group having 1 to 6 carbon atoms; and

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wherein R^2 is one selected from the group consisting of hydrogen, an alkyl group having 1 to 6 carbon atoms, and a substituent represented by a general formula (6),



26. The light emitting element according to claim 25,

wherein R^1 is one selected from the group of consisting a methyl group, an ethyl group, a tert-butyl group, and a phenyl group.

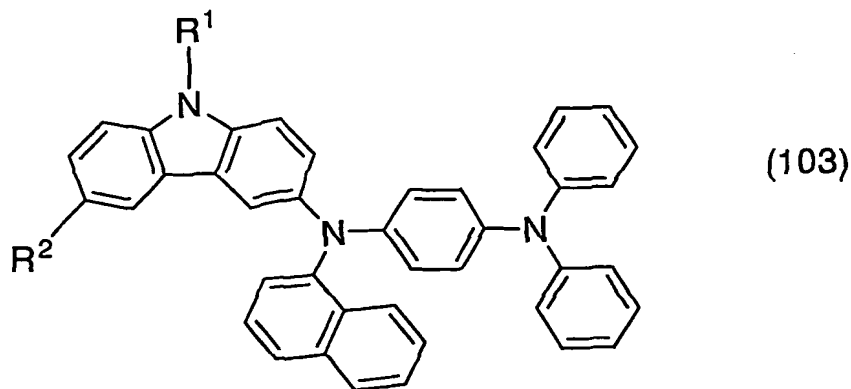
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27. The light emitting element according to claim 25,
wherein R^2 is hydrogen or a tert-butyl group.

28. The light emitting element according to claim 25,
wherein R^2 has a structure of a general formula (6).

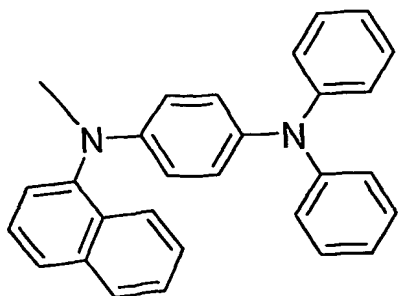
29. A light emitting element comprising a layer containing a light emitting
material interposed between a pair of electrodes,

wherein the layer containing the light emitting material comprises a carbazole
derivative represented by a general formula (103),



wherein R^1 is one selected from the group containing of hydrogen, an alkyl
group having 1 to 6 carbon atoms, an aryl group having 6 to 25 carbon atoms, a
heteroaryl group having 5 to 9 carbon atoms, an arylalkyl group, and an acyl group
having 1 to 7 carbon atoms; and

wherein R^2 is one selected from the group containing of hydrogen, an alkyl
group having 1 to 6 carbon atoms, and a substituent represented by a structural formula
(104),



(104)

30. The light emitting material according to claim 29,
wherein R^1 is one selected from the group consisting of a methyl group, an
5 ethyl group, a tert-buthyl group, and a phenyl group.
31. The light emitting element according to claim 29,
wherein R^2 is hydrogen or a tert-buthyl group.
- 10 32. The light emitting element according to claim 29,
wherein R^2 has a structure of the structural formula (104).
33. The light emitting element according to claim 17,
wherein the layer containing a light emitting material comprises a layer
15 containing the carbazole derivative;
wherein one of the pair of electrodes is an anode; and
wherein the anode is in contact with the layer containing the carbazole
derivative.
- 20 34. A light emitting device comprising the light emitting element according to
claim 17.
35. The light emitting element according to claim 21,
wherein the layer containing a light emitting material comprises a layer
25 containing the carbazole derivative;

wherein one of the pair of electrodes is an anode; and

wherein the anode is in contact with the layer containing the carbazole derivative.

5 36. A light emitting device comprising the light emitting element according to claim 21.

37. The light emitting element according to claim 25,

10 wherein the layer containing a light emitting material comprises a layer containing the carbazole derivative;

wherein one of the pair of electrodes is an anode; and

wherein the anode is in contact with the layer containing the carbazole derivative.

15 38. A light emitting device comprising the light emitting element according to claim 25.

39. The light emitting element according to claim 29,

20 wherein the layer containing a light emitting material comprises a layer containing the carbazole derivative;

wherein one of the pair of electrodes is an anode; and

wherein the anode is in contact with the layer containing the carbazole derivative.

25 40. A light emitting device comprising the light emitting element according to claim 29.

41. A electronic apparatus including the light emitting element according to claim 17,

30 wherein the electronic apparatus is one selected from the group consisting of a

camera, a goggle type display, a navigation system, a sound reproduction device, a personal computer, a game machine, a portable information terminal, and an image reproduction device equipped with a recording medium.

5 42. A electronic apparatus including the light emitting element according to claim 21,

 wherein the electronic apparatus is one selected from the group consisting of a camera, a goggle type display, a navigation system, a sound reproduction device, a personal computer, a game machine, a portable information terminal, and an image
10 reproduction device equipped with a recording medium.

 43. A electronic apparatus including the light emitting element according to claim 25,

 wherein the electronic apparatus is one selected from the group consisting of a
15 camera, a goggle type display, a navigation system, a sound reproduction device, a personal computer, a game machine, a portable information terminal, and an image reproduction device equipped with a recording medium.

 44. A electronic apparatus including the light emitting element according to
20 claim 29,

 wherein the electronic apparatus is one selected from the group consisting of a camera, a goggle type display, a navigation system, a sound reproduction device, a personal computer, a game machine, a portable information terminal, and an image
25 reproduction device equipped with a recording medium.